

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
All institutions	-	750,358	769,073	800,322	772,935	456,793	467,027	485,574	475,827
Johns Hopkins U. <sup>a</sup>	1	78,432 i	85,874 i	105,774 i	117,429 i	73,899	83,057	102,890	113,772
North Carolina State U.	2	21,722	20,296	20,164	20,392	13,083	12,331	11,947	11,908
Harvard U.	3	22,908	22,127	20,038	19,503	19,223	18,465	17,747	16,848
U. Texas M. D. Anderson Cancer Center	4	22,075	20,358	21,622	18,914	6,720	7,403	8,853	7,789
U. Michigan, Ann Arbor	5	18,306	18,478	18,648	17,937	5,839	5,874	5,771	5,490
U. Texas, Austin	6	14,581	17,222	20,290	17,349	6,550	7,122	8,882	5,691
New York U.	7	10,475	12,002	13,465	16,998	6,697	7,105	8,861	10,981
Iowa State U.	8	17,694	16,551	17,062	16,101	9,141	7,940	10,785	9,537
Pennsylvania State U., University Park and Hershey Medical Center	9	19,251	25,057	17,706	14,090	15,494	16,418	13,702	12,668
Carnegie Mellon U.	10	9,308	12,385	12,000	12,464	3,523	3,402	3,183	3,452
U. California, Los Angeles	11	13,200	13,118	13,161	12,110	10,906	10,515	10,440	9,562
Princeton U.	12	11,313	11,703	13,550	11,672	4,687	5,639	5,657	4,877
Michigan State U.	13	12,008	11,394	12,494	11,152	5,577	5,481	5,790	5,596
Brown U.	14	12,107	13,225	12,204	10,903	9,140	9,615	9,117	8,558
Rutgers, State U. New Jersey, New Brunswick	15	14,362	9,036	9,493	9,673	10,979	7,363	6,214	6,239
Massachusetts Institute of Technology	16	9,888	11,774	10,434	9,015	5,840	6,786	5,091	5,009
Duke U.	17	9,766	10,319	9,842	8,922	7,684	7,549	6,554	6,364
U. Pennsylvania	18	5,975	7,432	6,817	8,637	2,308	3,193	2,744	3,206
Georgia Institute of Technology	19	7,543	8,058	8,826	8,614	3,375	4,042	4,104	3,808
U. Minnesota, Twin Cities	20	7,847	9,822	8,994	8,555	5,659	6,349	5,141	5,674
Virginia Polytechnic Institute and State U.	21	5,765	5,031	6,776	8,107	2,380	2,355	3,308	4,368
U. California, Berkeley	22	8,376	8,177	8,263	8,067	5,815	5,689	6,251	6,122
SUNY, Stony Brook U.	23	7,467	6,652	7,629	7,407	4,957	4,756	5,006	4,824
Rice U.	24	9,435	9,477	9,363	7,349	4,338	4,099	3,742	3,934
Tufts U.	25	1,839	1,811	3,409	7,181	1,483	1,253	2,852	6,640
Dartmouth C. and Dartmouth Hitchcock Medical Center	26	5,892	5,149	5,848	6,932	501	706	1,030	1,326
Texas A&M U., College Station and Health Science Center	27	9,201	8,700	8,768	6,729	5,839	5,726	5,223	4,925
Florida State U.	28	5,542	6,202	7,128	6,567	1,920	1,515	2,096	1,894
U. Wisconsin-Madison	29	5,825	6,405	6,675	6,394	3,249	3,592	4,286	4,406
U. California, Irvine	30	5,289	5,442	7,106	6,314	3,138	2,698	4,069	3,305
Stanford U.	31	5,505	4,836	7,036	6,070	4,555	4,200	6,338	5,209
U. Georgia	32	6,745	7,666	6,690	5,845	1,817	2,301	1,545	1,096
U. Washington, Seattle	33	5,678	6,102	7,120	5,778	5,102	5,346	6,115	5,223

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
U. California, San Diego	34	4,478	5,466	4,857	5,639	2,585	2,624	2,456	2,995
U. North Carolina, Chapel Hill	35	3,186	3,049	6,729	5,489	2,836	2,652	5,390	4,735
Boston U.	36	4,842	5,236	5,199	5,039	3,113	3,158	2,947	3,218
New Jersey Institute of Technology	37	4,200	4,400	5,591	4,949	1,615	1,808	1,726	1,549
Ohio State U.	38	7,130	6,415	5,881	4,793	5,601	5,053	3,945	3,309
U. Notre Dame	39	4,930	5,663	5,257	4,751	2,980	3,129	3,063	2,661
U. California, Davis	40	4,436	4,162	4,455	4,698	3,269	3,249	3,471	3,678
U. Chicago	41	7,414	6,987	4,726	4,653	6,083	5,781	4,078	3,972
U. Nebraska, Lincoln	42	5,536	5,390	5,526	4,556	1,693	1,321	1,254	658
Oklahoma State U., Stillwater	43	4,886	4,585	4,213	4,276	1,483	675	569	472
Arizona State U.	44	6,571	6,367	5,942	4,121	3,611	2,914	2,728	2,396
U. Illinois, Chicago	45	4,197	4,386	4,109	4,021	2,171	2,357	2,407	1,989
San Diego State U.	46	3,790	4,061	3,899	3,883	1,482	1,274	907	1,157
U. Maryland <sup>b</sup>	47	na	4,685	5,356	3,760	na	3,868	3,660	3,035
U. Utah	48	4,496 i	3,722 i	4,065 i	3,708 i	2,893	2,176	2,452	2,200
Texas Tech U.	49	4,332	3,590	3,402	3,678	760	324	239	210
U. Illinois, Urbana-Champaign	50	5,669	5,071	5,346	3,612	3,699	3,446	2,719	2,092
Yale U.	51	2,528	3,831	4,703	3,589	1,774	2,260	2,556	1,871
U. Houston	52	3,387	3,083	3,596	3,497	1,877	2,485	3,015	2,743
Auburn U., Auburn	53	662	3,706	3,736	3,471	413	335	332	395
U. Arizona	54	2,233	2,449	3,098	3,347	1,647	1,942	2,295	2,783
U. Central Florida	55	3,075	3,144	3,197	3,269	423	518	780	603
U. Massachusetts, Amherst	56	2,429	3,636	3,361	3,218	1,548	2,244	2,093	2,290
U. Vermont	57	327	612	2,154	3,153	123	395	247	322
SUNY, Binghamton U.	58	2,328	2,468	2,830	3,133	109	99	85	85
U. Louisiana, Lafayette	59	1,603	3,226	2,117	3,119	131	48	91	235
U. South Florida <sup>c</sup>	60	2,463	2,685	3,165	3,055	638	622	948	709
Colorado State U., Fort Collins	61	4,240	4,392	4,190	2,980	3,838	4,041	3,768	2,573
Columbia U. in the City of New York	62	5,841	5,725	4,118	2,951	3,903	4,347	3,054	2,190
Rensselaer Polytechnic Institute	63	1,641	2,258	2,808	2,944	1,114	1,469	1,480	991
U. Tennessee, Knoxville <sup>d</sup>	64	3,372	3,390	3,181	2,938	1,044	974	642	599
U. Pittsburgh, Pittsburgh	65	3,821	4,442	4,169	2,891	2,507	2,775	2,777	1,861
U. Colorado Boulder	66	2,409	2,711	2,659	2,857	2,271	2,626	2,555	2,601
Purdue U., West Lafayette	67	6,314	3,185	2,671	2,742	4,439	2,081	1,609	1,513

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
Kansas State U.	68	3,020	3,416	3,246	2,708	368	386	230	158
California Polytechnic State U., San Luis Obispo	69	1,361	1,711	2,841	2,668	1,188	1,387	2,430	2,147
U. Nevada, Las Vegas	70	1,550	1,471	2,347	2,624	108	14	15	48
Georgetown U.	71	263	24	1,765	2,606	142	24	0	180
Syracuse U.	72	2,815	3,001	2,528	2,572	443	542	300	457
Temple U.	73	1,760	1,262	3,213	2,547	915	884	923	667
Montana State U., Bozeman	74	758	1,565	2,536	2,527	750	1,371	1,281	1,403
George Mason U.	75	1,578	1,981	1,941	2,493	938	737	1,008	1,529
Cornell U.	76	3,494	3,341	3,323	2,467	2,552	2,268	2,519	2,047
Naval Postgraduate School	77	2,735	2,394	2,824	2,435	2,344	1,718	1,867	1,941
U. Texas, El Paso	78	668	1,466	2,927	2,412	196	1,104	1,270	827
U. Texas, Arlington	79	1,992	2,276	2,053	2,350	695	798	748	863
California State U., Bakersfield	80	1,691	2,952	3,173	2,321	1,327	2,190	2,451	1,827
U. Oklahoma, Norman and Health Science Center	81	377	477	2,018	2,274	256	390	361	402
U. Texas Rio Grande Valley	82	268	1,881	2,174	2,194	109	151	196	345
Rochester Institute of Technology	83	2,115	1,750	2,040	2,178	1,519	1,257	1,503	1,605
U. California, Merced	84	1,323	2,299	3,047	2,139	923	1,587	2,472	1,466
U. Connecticut	85	2,296	2,362	2,344	2,119	1,435	1,370	1,361	1,268
Georgia State U.	86	1,973	2,045	1,973	2,091	969	1,020	1,148	1,009
Louisiana State U., Baton Rouge	87	2,146	2,419	2,701	2,077	1,714	1,808	2,241	1,656
U. California, Riverside	88	1,689	2,251	1,682	1,994	1,048	1,588	1,120	1,520
Michigan Technological U.	89	2,122	2,085	2,260	1,942	272	216	359	226
Florida International U.	90	1,162	1,394	1,470	1,915	56	111	138	520
Brandeis U.	91	790	677	2,042	1,880	341	424	401	513
Mississippi State U.	91	1,304	1,310	1,959	1,880	120	172	172	238
Worcester Polytechnic Institute	91	1,684	1,253	1,404	1,880	1,009	946	799	1,375
Clemson U.	94	4,655	3,052	2,607	1,870	1,738	1,808	1,548	1,384
U. Nevada, Reno	95	1,451	2,609	2,341	1,777	267	894	805	468
U. Florida	96	1,471	2,346	1,726	1,757	886	1,497	985	1,013
Southern Methodist U.	97	982	1,486	1,291	1,736	719	1,037	961	1,199
SUNY, U. Buffalo	98	901	1,083	1,067	1,730	538	583	597	653
U. Virginia, Charlottesville	99	1,582	1,698	1,593	1,710	884	1,138	1,125	1,320
Emory U.	100	3,049	2,715	2,357	1,693	2,017	1,975	1,926	1,540
Indiana U., Bloomington	101	2,269	1,773	1,780	1,678	1,512	987	1,299	1,260

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Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
U. South Carolina, Columbia	102	2,131	2,100	1,817	1,558	1,227	1,217	1,185	1,267
U. Texas, San Antonio	103	272	586	1,529	1,554	184	135	115	116
American U.	104	1,618	1,319	1,559	1,538	328	340	370	563
U. Kentucky	105	809	1,685	1,336	1,512	529	1,430	1,088	1,180
North Dakota State U.	106	38	714	1,120	1,501	0	0	150	84
U. Massachusetts, Dartmouth	107	801	1,026	717	1,497	236	831	239	380
Northwestern U.	108	2,869	2,461	2,275	1,490	1,891	1,675	1,580	1,005
Boise State U.	109	1,534	582	1,137	1,475	263	393	904	1,203
U. Southern California	110	1,220	1,500	1,617	1,472	977	1,077	1,264	1,227
Rockefeller U.	111	1,474	1,602	1,612	1,433	152	331	306	111
U. California, Santa Barbara	112	1,234	1,711	1,416	1,416	883	1,035	944	852
Georgia Southern U.	113	105	57	67	1,405	13	11	30	67
SUNY, U. Albany	114	1,053	1,443	1,774	1,400	87	197	196	344
Kent State U.	115	1,156	1,637	1,309	1,385	238	268	300	212
U. Delaware	116	1,908	2,227	1,887	1,384	1,565	1,743	1,565	1,204
U. Missouri, Columbia	117	1,670	1,308	1,279	1,377	1,444	1,094	1,017	952
U. Texas, Dallas	118	866	1,063	1,155	1,363	412	683	668	930
San Francisco State U.	119	1,063	1,023	1,227	1,326	170	309	253	256
U. Cincinnati	120	2,322	1,949	1,422	1,320	1,156	1,060	665	620
Vanderbilt U. and Vanderbilt U. Medical Center	121	1,739	1,211	1,689	1,317	953	685	902	621
U. Wyoming	122	10,004	1,499	1,276	1,306	2,684	1,426	1,155	1,258
U.S. Military Academy	123	400	116	0	1,259	400	116	0	456
U. Memphis	124	845	892	1,241	1,250	290	298	493	240
Oregon State U.	125	2,003	2,074	1,595	1,247	1,418	1,515	1,108	712
U. New Hampshire	126	229	291	404	1,239	164	251	339	352
U. New Mexico	127	1,119	1,638	1,422	1,229	971	1,542	1,337	1,197
Northeastern U.	128	927	780	878	1,210	787	649	685	721
Middle Tennessee State U.	129	353	169	39	1,187	293	0	0	316
U. Alabama, Tuscaloosa	130	43	179	262	1,174	19	154	226	243
Tuskegee U.	131	17	1,216	1,240	1,146	17	1,216	1,240	1,146
U. Colorado Denver <sup>e</sup>	132	na	na	na	1,122	na	na	na	1,119
Marquette U.	133	1,686	1,863	1,734	1,110	942	1,300	1,217	684
Old Dominion U.	134	3,994	7,507	1,239	1,097	3,205	4,318	952	865
Wayne State U.	135	3,801	1,393	1,716	1,093	1,527	1,269	1,184	499

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**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
Boston C.	136	1,113	1,015	1,289	1,079	1,008	960	1,064	908
Texas State U.	137	444	908	1,038	1,057	110	680	799	875
California Institute of Technology	138	1,475	1,534	1,387	1,039	902	816	755	605
Florida Atlantic U.	139	631	883	1,268	1,026	289	363	519	643
Louisiana Tech U.	140	636	726	771	999	93	168	238	314
U. Hawaii, Hilo	141	646	944	1,126	998	455	759	863	753
U.S. Naval Academy	142	1,131	936	1,013	993	786	636	799	847
Morehouse C.	143	222	256	166	949	222	256	166	949
Portland State U.	144	832	933	1,115	947	704	745	794	942
U. Montana, Missoula	145	470	1,256	1,187	878	391	704	734	405
Baylor U.	146	693	1,104	933	877	208	253	284	408
Clarkson U.	147	848	1,046	780	868	596	724	571	524
U. Miami	148	992	581	1,420	843	424	239	301	356
Washington U., Saint Louis	149	616	639	959	840	578	613	902	821
Air Force Institute of Technology	150	1,092	1,313	658	828	551	691	497	197
North Carolina Agricultural and Technical State U.	151	493	872	818	797	416	800	748	763
Montclair State U.	152	593	952	726	785	522	425	327	317
U. North Carolina, Charlotte	153	976	902	1,029	782	803	568	820	673
U. Massachusetts, Lowell	154	972	636	663	754	0	0	0	60
San Jose State U.	155	0	0	0	751	0	0	0	276
George Washington U.	156	1,154	1,709	926	725	713	1,129	631	555
Utah State U.	157	791	736	846	720	366	301	268	174
U. Alabama, Huntsville	158	500	627	726	709	45	44	2	15
U. Wisconsin-Milwaukee	159	1,303	1,794	4,792	707	947	1,500	3,820	0
Virginia Commonwealth U.	160	1,085	890	793	698	595	625	609	529
Case Western Reserve U.	161	671	558	355	697	600	485	325	458
U. Louisville	161	104	67	494	697	99	51	84	311
U. Oregon	163	1,064	908	906	694	898	792	853	641
California State U., Northridge	164	1,348	786	980	685	1,243	777	901	628
Colorado School of Mines	165	302	404	583	682	280	397	571	645
U. Maine	166	101	1,115	845	657	21	59	65	18
St. Edward's U.	167	220	470	645	645	130	450	600	600
U. San Diego	168	77	274	225	643	71	241	141	481
Cleveland State U.	169	1,058	823	784	642	430	283	232	183

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
Drexel U.	170	704	497	546	620	636	429	452	550
Saginaw Valley State U.	171	199	617	588	617	181	607	587	616
Bryn Mawr C.	172	608	460	561	599	202	73	114	121
West Virginia U.	173	5,106	625	482	579	2,477	493	369	374
U. Kansas	174	1,166	999	672	543	1,084	924	649	508
Washington State U.	175	1,611	475	447	535	1,045	249	289	356
Tulane U.	176	1,718	814	581	518	665	374	441	381
California State U., Fresno	177	149	214	412	490	115	182	287	444
U. Massachusetts, Boston	178	83	298	449	486	38	40	14	70
Brigham Young U., Provo	179	799	614	348	483	759	562	331	466
California State U., East Bay	180	ne	ne	896	482	ne	ne	0	163
U. New Orleans	180	40	204	389	482	0	18	0	131
U. Nebraska, Omaha	182	304	333	200	468	206	219	162	366
California State U., San Bernardino	183	948	681	633	466	847	666	427	184
U. of the District of Columbia	184	166	629	277	447	166	629	277	447
California State U., Long Beach	185	574	621	691	446	562	601	673	446
Sam Houston State U.	186	274	368	338	444	230	345	319	417
U. Hawaii, Manoa	187	363	466	515	439	316	399	457	410
U. of the Virgin Islands	187	670	740	694	439	670	740	694	439
South Dakota State U.	189	391	488	401	433	267	259	262	302
U. Maryland, Baltimore County	190	1,467	592	729	428	1,127	371	368	228
Miami U.	191	241	376	310	427	114	192	139	269
Wichita State U.	192	265	105	105	419	256	95	72	139
Fisk U.	193	0	0	12	415	0	0	12	407
Williams C.	194	428	419	401	411	262	236	227	241
U. Missouri, Saint Louis	195	242	211	265	407	176	135	235	371
U. Iowa	196	749	710	624	406	456	398	340	273
Indiana U.-Purdue U., Indianapolis	197	543	610	601	404	444	519	460	365
Wesleyan U.	198	391	553	533	402	288	472	390	327
CUNY, C. Staten Island	199	521	470	691	391	182	222	513	308
U. Alabama, Birmingham	200	320	876	916	383	289	844	875	362
Illinois Institute of Technology	201	296	211	405	381	271	210	389	312
Western Washington U.	202	669	499	347	375	261	222	217	227
Long Island U.	203	0	0	457	372	0	0	0	0

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
U. North Dakota	203	384	383	434	372	0	0	0	0
William & Mary	205	324	601	438	371	278	510	242	329
U. Mississippi	206	1,023	1,236	216	358	132	71	47	201
California State U., Channel Islands	207	141	341	181	348	130	283	171	268
James Madison U.	208	76	312	159	345	69	154	104	15
Hampton U.	209	413	217	226	344	413	217	226	344
CUNY, Lehman C.	210	13	26	271	343	0	0	259	328
Tarleton State U.	211	0	192	450	342	0	26	2	0
CUNY, Graduate Center	212	0	34	23	332	0	34	23	332
Amherst C.	213	372	267	340	316	255	163	225	187
Murray State U.	214	84	62	198	309	83	61	198	306
U. North Carolina, Greensboro	215	271	210	215	308	239	170	167	213
Vassar C.	216	1,953	428	357	307	1,953	424	350	301
Kennesaw State U.	217	1,338	1,523	107	287	0	5	4	57
Clark Atlanta U.	218	0	128	194	286	0	128	157	265
Florida Institute of Technology	218	365	345	188	286	111	92	71	132
U. Minnesota, Duluth	220	242	236	152	274	165	142	108	210
Wellesley C.	221	79	109	255	263	55	0	240	262
California State U., Stanislaus	222	16	160	194	253	15	160	194	253
Missouri U. of Science and Technology	223	222	440	222	252	174	373	218	250
CUNY, Queens C.	224	346	302	228	251	299	255	160	221
Creighton U.	225	192	237	204	239	82	118	108	129
Manhattan C.	225	ne	0	147	239	ne	0	147	217
U. North Texas, Denton	227	491	1,409	1,676	237	113	201	202	205
Sonoma State U.	228	ne	ne	141	235	ne	ne	91	226
Reed C.	229	275	370	223	229	116	121	151	160
Rowan U.	230	23	37	0	225	0	37	0	202
Mercer U.	231	183	194	224	219	0	0	0	0
CUNY, Hunter C.	232	24	95	174	217	22	43	114	183
Virginia State U.	232	650	1,333	645	217	473	1,010	645	217
South Dakota School of Mines and Technology	234	133	141	339	216	117	126	339	216
Illinois State U.	235	355	296	229	215	264	185	119	119
U. Rochester	236	348	213	201	214	333	194	185	210
California State U., Fullerton	237	4	29	11	212	0	0	0	127

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
CUNY, Baruch C.	238	134	175	325	211	101	155	321	203
U. Tennessee, Chattanooga	239	135	335	189	206	24	49	81	147
Howard U.	240	225	222	230	198	116	0	0	0
U. Idaho	241	599	213	205	194	487	108	120	142
Kentucky State U.	242	0	3	125	193	0	3	125	193
Towson U.	243	48	84	179	191	0	0	50	94
U. Alaska, Fairbanks	243	454	507	346	191	428	507	321	165
Saint Louis U.	245	74	56	280	190	20	38	266	170
U. Michigan, Dearborn	245	136	228	155	190	77	139	110	149
U. South Dakota	247	139	181	160	189	0	0	0	0
Southern Connecticut State U.	248	2	142	35	187	0	0	0	0
Southern Illinois U., Edwardsville	249	569	263	817	185	177	199	212	33
Christopher Newport U.	250	0	0	7	180	0	0	0	172
U. Puerto Rico, Rio Piedras	251	145	172	145	178	144	166	102	120
Eastern Michigan U.	252	102	143	216	174	86	105	37	78
Pennsylvania State U., Behrend	252	48	94	21	174	15	18	15	166
Carleton C.	254	398	216	196	173	62	0	41	17
Central Washington U.	255	106	154	104	169	79	112	52	149
Texas Southern U.	256	32	144	187	167	32	144	187	167
U. South Alabama	257	55	31	80	163	8	17	79	162
Pomona C.	258	274	270	129	162	219	202	82	135
U. Akron	259	210	178	82	161	117	119	60	117
Wake Forest U.	259	97	408	529	161	92	158	134	70
Bowling Green State U.	261	408	341	532	160	149	123	140	82
CUNY, City C.	262	733	579	389	158	588	509	313	125
U. California, Santa Cruz	263	387	303	236	156	274	267	161	139
Colgate U.	264	47	50	84	153	0	0	56	65
U. Detroit Mercy	264	2	2	140	153	0	0	0	0
Morgan State U.	266	448	328	134	146	420	284	105	129
Central Michigan U.	267	92	183	120	141	45	125	52	1
Fordham U.	268	228	242	173	140	60	58	66	70
Lehigh U.	268	167	187	228	140	150	143	194	127
Swarthmore C.	270	123	171	103	136	84	109	63	79
U. Northern Colorado	271	535	672	181	135	449	570	117	91



TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
Loyola Marymount U.	272	29	124	187	134	0	74	117	70
U. Central Oklahoma	273	104	126	126	132	86	94	93	98
Azusa Pacific U.	274	99	42	64	125	16	18	0	0
California State U., Dominguez Hills	274	56	76	116	125	15	21	53	61
Salisbury U.	276	35	0	113	123	0	0	0	0
Smith C.	277	348	296	182	120	276	211	121	111
California State U., Sacramento	278	45	41	94	116	0	5	0	34
New Mexico State U.	278	74	41	188	116	39	8	151	77
Tennessee State U.	278	86	98	111	116	79	89	104	110
Villanova U.	278	185	186	60	116	160	144	2	28
U. Richmond	282	103	90	106	114	97	43	21	0
SUNY, Buffalo State	283	0	0	91	112	0	0	91	112
Claremont Graduate U.	284	3	3	70	111	0	0	70	111
Harvey Mudd C.	284	212	219	174	111	173	151	113	33
Rutgers, State U. New Jersey, Camden	284	9	0	94	111	9	0	84	61
Bucknell U.	287	83	418	113	110	30	222	106	104
Embry-Riddle Aeronautical U.	287	21	33	84	110	5	0	23	62
Stephen F. Austin State U.	289	112	642	129	109	82	640	128	93
Grinnell C.	290	398	798	407	108	129	89	72	63
C. Wooster	291	69	63	104	106	54	62	55	58
Claremont McKenna C.	292	36	74	85	103	18	64	78	103
West Chester U. Pennsylvania	292	297	340	196	103	64	80	60	0
U. Wisconsin-Eau Claire	294	77	105	82	102	52	41	35	49
Macalester C.	295	70	23	138	100	0	15	96	100
U. Hartford	295	0	183	131	100	0	183	131	100
Occidental C.	297	0	38	58	97	0	38	58	97
Spelman C.	298	45	202	48	96	45	202	48	96
Dordt U.	299	ne	ne	ne	94	ne	ne	ne	84
Seattle U.	300	218	206	184	93	202	177	159	90
Texas A&M International U.	301	1	8	1	91	0	0	0	64
Lincoln U., Jefferson City	302	280	234	150	90	280	234	150	90
Wright State U.	302	456	153	145	90	332	116	72	67
Eastern Connecticut State U.	304	80	5	79	87	0	0	0	0
Elon U.	304	75	161	0	87	0	78	0	11

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
U. Guam	304	28	28	0	87	28	28	0	81
U. Puerto Rico, Mayaguez	304	752	176	45	87	427	137	25	87
Hofstra U.	308	8	12	4	85	0	0	0	0
Oregon Institute of Technology	309	0 i	85 i	77 i	84 i	0	0 i	0	9 i
U. Wisconsin-La Crosse	309	164	107	112	84	143	87	77	70
Lamar U.	311	226	132	55	83	44	82	54	83
Loyola U., Chicago	312	131	405	188	81	63	345	164	67
Prairie View A&M U.	312	26	7	145	81	0	0	0	81
U. West Florida	312	35	45	313	81	0	0	0	0
U. Denver	315	206	123	120	80	124	92	68	37
Davidson C.	316	60	74	142	79	0	12	61	6
Lewis and Clark C.	316	108	100	174	79	13	19	45	56
Fairfield U.	318	40	43	75	78	40	43	74	70
Alabama A&M U.	319	164 i	123 i	83 i	74 i	119 i	84 i	56 i	49 i
Ithaca C.	319	ne	ne	64	74	ne	ne	64	74
Duquesne U.	321	0	255	233	71	0	131	120	49
Northeastern Illinois U.	321	37	60	53	71	37	60	53	71
Central State U.	323	61	44	37	69	61	44	37	69
CUNY, Brooklyn C.	324	169	212 i	221	68	152	211 i	220	65
Southern U. and A&M C., Baton Rouge	324	16	39	5	68	0	9	0	50
William Paterson U.	324	242	257	185	68	0	0	0	0
Northern Kentucky U.	327	0	0	81	65	0	0	71	59
Trinity C., Hartford	328	38	28	68	64	24	0	52	54
Middlebury C.	329	0	0	0	62	0	0	0	0
Mount Holyoke C.	329	162	370	147	62	145	347	147	57
C. Charleston	331	63	146	81	61	13	36	0	0
U. Arkansas, Fayetteville	332	407	286	97	60	277	148	71	34
New School	333	0	0	0	56	0	0	0	0
Stevens Institute of Technology	333	258	237	37	56	39	0	0	42
Oakland U.	335	22	73	34	55	22	28	34	55
Catholic U. of America	336	0	0	0	53	0	0	0	53
Grand Valley State U.	336	226	299	166	53	179	234	94	23
Ohio U.	336	76 i	101	90	53	15	67	76	25
U. North Carolina, Wilmington	339	98	83	105	51	91	80	48	20

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
CUNY, New York City C. of Technology	340	239	694	409	50	87	138	0	0
East Tennessee State U.	340	0 i	19 i	149 i	50 i	0	16	123	37
Franklin and Marshall C.	340	252	255	52	50	115	126	22	47
Pacific U.	343	55	57	42	46	0	0	9	3
Augusta U.	344	0	23	13	44	0	23	13	44
Jackson State U.	344	89	68	97	44	66	47	84	39
U. of the Incarnate Word	346	140	127	148	42	140	127	148	42
California State U., Chico	347	124	61	57	41	118	61	10	0
Trinity U.	347	59	53	84	41	47	39	68	37
Northland C.	349	ne	ne	ne	40 i	ne	ne	ne	35 i
Northern Illinois U.	349	136	129	76	40	65	52	24	31
Oberlin C.	351	35	44	4	39	0	1	0	39
Santa Clara U.	351	0	6	22	39	0	0	20	15
Mills C.	353	0	0	16	38	0	0	0	0
Indiana State U.	354	10	27	23	37	10	27	23	37
U. Central Arkansas	355	198	45	24	35	65	10	15	16
Texas A&M U.-Commerce	356	32	13	26	34	0	0	0	0
Calvin U.	357	152	32	31 i	33 i	139	32	31 i	33 i
Albion C.	358	30	16	31	30 i	0	0	0	0 i
Hope C.	358	28	10	68	30	21	2	58	23
Appalachian State U.	360	146	41	90	29	0	0	5	0
Norfolk State U.	360	49	58	48	29	49	58	48	29
Drake U.	362	50	44	ne	28	48	37	ne	27
Haverford C.	362	94 i	63 i	127 i	28 i	68	29	65	12
U. of St. Thomas (MN)	362	55	37	43	28	30	17	40	28
Ball State U.	365	139	140	51	27	48	38	35	16
California State U., Los Angeles	366	46	28 i	10	26	46	28	10	26
Pepperdine U.	366	28	22	32	26	1	0	0	0
Central Connecticut State U.	368	ne	24	17	25	ne	0	0	0
U. Washington, Tacoma	368	18	0	47	25	18	0	47	25
Lafayette C.	370	292	119	69	24	274	102	56	13
Fort Valley State U.	371	0	36	184	22	0	0	158	22
Western Michigan U. and Homer Stryker M.D. School of Medicine	372	159	73	40	21	69	1	9	9
California State Polytechnic U., Pomona	373	291	42	138	20	213	33	102	20

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
Mercyhurst U.	373	ne	19 i	19 i	20 i	ne	10 i	10 i	11 i
Colorado State U., Pueblo	375	ne	11	6	19	ne	11	6	19
U. Houston-Downtown	375	119	75	10	19	111	72	9	17
U. North Florida	375	52	43	70	19	0	0	0	0
U. Wisconsin-Platteville	375	ne	20 i	21 i	19 i	ne	8 i	8 i	9 i
Colorado C.	379	128	38	23	18	104	15	0	0
Chapman U.	380	0	0	1	16	0	0	0	0
U. San Francisco	380	8	14	25	16	0	1	16	15
U. Maryland Center for Environmental Science	382	0	42	5	15	0	27	0	0
U. Wisconsin-Green Bay	382	14 i	18 i	18 i	15 i	6 i	8 i	9 i	7 i
Wheaton C., Wheaton	382	29	7	11	15	0	0	0	0
C. of Saint Benedict	385	19	18 i	17 i	14 i	0	0 i	0 i	2 i
Southern Illinois U., Carbondale	385	74	31	278	14	16	14	0	5
U. Ana G. Mendez, Gurabo	385	34	0	0	14	0	0	0	0
Biola U.	388	9 i	12 i	11 i	13 i	6 i	8 i	8 i	9 i
Saint John's U.	388	17	17 i	16 i	13 i	0	0 i	0 i	0 i
California State U., Monterey Bay	390	0	0	234	12	0	0	148	12
CUNY, John Jay C. of Criminal Justice	390	7	5	5	12	0	0	5	12
CUNY, York C.	390	ne	17	0	12	ne	0	0	0
Northwestern State U. Louisiana	390	12	19	19	12	0	0	0	0
U. Southern Maine	394	0	0	0	11	0	0	0	11
Barnard C.	395	84	74	27	10	82	66	22	0
Bowdoin C.	395	65	71	29	10	50	58	24	5
C. New Jersey	395	4	ne	6	10	3	ne	4	10
Hamilton C.	395	8	12	18	10	0	0	0	0
Willamette U.	395	88	11	10	10	80	0	0	0
Lawrence Technological U.	400	1	53	0	9	0	53	0	9
U. Texas, Tyler	400	100	95	22	9	93	76	20	2
Western Kentucky U.	400	73	55	27	9	18	48	11	4
Citadel Military C. South Carolina	403	ne	ne	3	8	ne	ne	0	0
Humboldt State U.	403	5	0	10	8	0	0	0	0
Purdue U., Fort Wayne	403	93	50	69	8	26	22	19	5
Saint Joseph's U.	403	14	17	6	8	0	0	0	0
East Carolina U.	407	51	11	75	7	0	0	0	0

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
Hobart and William Smith Colleges	408	ne	80	83	6	ne	78	83	5
Texas A&M U.-Corpus Christi	408	35	47	21	6	0	0	0	0
Union C., Schenectady	408	22	18	33	6	0	0	13	0
Winthrop U.	408	19	1	0	6	0	0	0	0
Niagara U.	412	5	4	9	5	0	0	0	0
U. of Mary Washington	412	17	12	8	5	0	0	0	4
U. Rhode Island	412	0	0	0	5	0	0	0	0
Florida A&M U.	415	43	0	0	4	41	0	0	0
Fort Lewis C.	415	ne	0	0	4	ne	0	0	4
Indiana U. Pennsylvania	415	12	20	26	4	0	0	0	0
Pennsylvania State U., Harrisburg	415	30	32	0	4	16	2	0	2
St. Olaf C.	415	90	109	51	4	55	87	23	0
Arkansas State U., Jonesboro	420	4	3	4	3	0	0	0	0
Colby C.	420	42	32	30	3	0	0	10	0
Delaware State U.	420	561	834	3 i	3	418	455	3 i	3
New Mexico Institute of Mining and Technology	420	150	155	53	3	150	155	50	0
SUNY, Geneseo	420	100	106	41	3	56	60	35	0
SUNY, Oswego	420	14	10	0	3	0	0	0	0
U. Arkansas, Pine Bluff	420	207	0	0	3	80	0	0	0
U. Dayton	420	0	0	4	3	0	0	0	0
U. Missouri, Kansas City	420	230	14	14	3	149	6	0	0
U. South Carolina, Aiken	420	0	0	0	3	0	0	0	0
U. Toledo	420	175	49	49	3	69	29	36	0
U. Tulsa	420	20	36	4	3	0	0	0	0
Western Carolina U.	420	7	7	11	3	0	0	3	3
Youngstown State U.	420	18	12	6	3	15	0	1	0
Bates C.	434	12	30	16	2	0	11	8	0
DePaul U.	434	0	0	0	2	0	0	0	0
Idaho State U.	434	0	0	0	2	0	0	0	0
Kettering U.	434	17	7	2	2	0	0	0	0
Austin Peay State U.	438	0	0	3	1	0	0	0	0
Eastern Washington U.	438	0	2	15	1	0	2	15	0
Gallaudet U.	438	0	3	3	1	0	0	0	1
Sul Ross State U.	438	0	0	0	1 i	0	0	0	0 i

TABLE 47

**Total and federally financed higher education R&D expenditures in mathematics and statistics, ranked by FY 2021 total: FYs 2018–21**

(Dollars in thousands)

Institution	Rank	Total				Federally financed			
		2018	2019	2020	2021	2018	2019	2020	2021
SUNY, C. Brockport	438	10	7	5	1	0	0	0	0
Texas Woman's U.	438	19	68	23	1	0	0	0	0
U. New England	438	2	0	0	1	0	0	0	0
U. Northern Iowa	438	10	4	1	1	0	0	0	0
West Texas A&M U.	438	105	52	1	1	93	50	0	0
Western Illinois U.	438	9	14	1	1	0	0	0	0
All other surveyed institutions	-	11,957	2,806	1,926	0	7,724	2,234	1,589	0

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

<sup>a</sup> Johns Hopkins University includes the Applied Physics Laboratory (APL), with \$114,770 thousand imputed for total and \$111,625 thousand reported for federally financed R&D expenditures in mathematics and statistics in FY 2021. Total expenditures by field for Johns Hopkins University are flagged as imputed because APL was unable to distribute a portion of institutionally funded R&D by field.

<sup>b</sup> The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.

<sup>c</sup> The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

<sup>d</sup> The University of Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Due to a reorganization within the University of Tennessee system, the Institute of Agriculture now falls under the leadership of the University of Tennessee, Knoxville chancellor. Prior to FY 2020, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.

<sup>e</sup> The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.

**Note(s):**

Institutions reporting zero expenditures in ranked total for FY 2021 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6.

**Source(s):**

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.